Title (en)

EXHAUST ADDITIVE DOSING SYSTEM COMPRISING AN EXHAUST ADDITIVE DISTRIBUTION DEVICE AND AN EXHAUST ADDITIVE METERING DEVICE

Title (de)

ABGASADDITIVDOSIERUNGSSYSTEM MIT ABGASADDITIVVERTEILUNGSVORRICHTUNG UND ABGASADDITIVMESSVORRICHTUNG

Title (fr)

SYSTÈME DE DOSAGE D'ADDITIF D'ÉCHAPPEMENT COMPRENANT UN DISPOSITIF DE DISTRIBUTION D'ADDITIF D'ÉCHAPPEMENT ET UN DISPOSITIF DE DOSAGE D'ADDITIF D'ÉCHAPPEMENT

Publication

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Application

EP 17731329 A 20170613

Priority

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- SE 2017050628 W 20170613

Abstract (en)

[origin: WO2018080371A1] The present disclosure relates to a dosing system for a turbocharger turbine (6) of an exhaust system for an internal combustion engine (2), the dosing system comprising a distribution device (24), and a metering device (26). The distribution device (24) comprises a receiving surface (40, 46, 54), and at least one distribution surface(s) (42, 48, 56). The receiving surface (40, 46, 54) is equipped to receive exhaust additive dosed to the distribution device (24). The distribution surface (42, 48, 56) is arranged in fluid communication with the receiving surface (40, 46, 54) and is equipped to distribute exhaust additive in an exhaust stream passing through the turbocharger turbine by the rotary motion of the distribution device (24). The distribution device (24) is fixedly attached to a shaft (20) or hub of the turbocharger turbine (6). The metering device (26) comprises a supply channel (28), a metering valve (30), and a dosing pipe (32) arranged downstream of the metering valve (30) in the direction of the flow of reductant when dosing. The metering device (26) is arranged to supply exhaust additive to the receiving surface (40, 46, 54) of the distribution device (24). The disclosure also relates to a distribution device and a metering device for use in such a dosing system.

IPC 8 full level

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CPC (source: EP KR RU SE US)

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